



DEPARTMENT OF PERMITTING, ENVIRONMENT, AND REGULATORY AFFAIRS (PERA)
BOARD AND CODE ADMINISTRATION DIVISION

MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION

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www.miamidade.gov/pera

NOTICE OF ACCEPTANCE (NOA)

American Construction Metals (ACM)

5140 W. Clifton Street

Tampa, FL 33634

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County PERA - Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. PERA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code including the High Velocity Hurricane Zone of the Florida Building Code.

DESCRIPTION: ACM 5V Crimp Roof Panel

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This revises NOA# 11-0628.06 and consists of pages 1 through 7.

The submitted documentation was reviewed by Alex Tigera.



NOA No.: 11-1102.07
Expiration Date: 09/22/16

Approval Date: 02/09/12

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ROOFING ASSEMBLY APPROVAL:

Category: Roofing
Sub-Category: Non-Structural Metal Roofing
Material: Steel
Deck Type: Wood
Maximum Design Pressure See Table B herein

TRADE NAMES OF PRODUCTS MANUFACTURED OR LABELED BY APPLICANT:

<u>Product</u>	<u>Dimensions</u>	<u>Test Specifications</u>	<u>Product Description</u>
5V Crimp	l = various w = 24" Thickness 0.018" (26 ga.) Yield strength: Min. 51 ksi	TAS 110 TAS 125	Corrosion resistant, Valspar Fluropon coated galvanized, standing seam, metal panels.
Trim Pieces	l = varies w = varies Thickness 0.018" (26 ga.)	N/A	Standard flashing and trim pieces. Manufactured for each panel width.

MANUFACTURING LOCATION:

1. Tampa, FL.

EVIDENCE SUBMITTED:

<u>Test Agency</u>	<u>Test Identifier</u>	<u>Test Name/Report</u>	<u>Date</u>
Valspar	Test Lab Certification	ASTM B117	
Valspar	Test Lab Certification	ASTM G23	
PRI Construction Materials Technologies	ACM-001-02-01	TAS 100	05/11/11
PRI Construction Materials Technologies	ACM-001-02-02	TAS 125	05/11/11
PRI Construction Materials Technologies	ACM-002-02-01	TAS 125	05/11/11



APPROVED ASSEMBLIES:

SYSTEM A-1: 5V Metal Panels
Deck Type: Wood, Non-insulated
Deck Description: 19/32" or greater plywood or wood plank.
Slope Range: 2": 12" or greater
Maximum Uplift Pressure: See Table A Below

Deck Attachment: In accordance with applicable Building Code, but in no case shall it be less than #8 x 1" wood screws spaced 6" o.c. In reroofing, where the deck is less than 19/32" thick (Minimum 15/32"). The above attachment method must be in addition to existing attachment.

Underlayment: Minimum underlayment shall be an ASTM D 226 Type II installed with a minimum 4" side-laps and 6" end-laps. Underlayment shall be fastened with corrosion resistant tin-caps and 1¼" annular ring-shank nails, spaced 6" o.c. at all laps and two staggered rows 12" o.c. in the field of the roll. Or, any Miami-Dade County Product Control Approved underlayment having a current NOA

Valleys: Valley construction shall be in compliance with Roofing Application Standard RAS 133 and with American Construction Metal's current published installation instructions.

Fire Barrier Board: Any approved fire barrier having a current NOA. Refer to a current fire directory listing for fire ratings of this roofing system assembly as well as the location of the fire barrier within the assembly. See Limitation # 1.

Metal Panels and Accessories: Install the "5V" Panel" and accessories in compliance with the current published installation instructions and details in American Construction Metal's Installation Manual. Flashings, penetrations, valley construction and other details shall be constructed in compliance with Roofing Application Standard RAS 133.

Fasteners shall be installed **in the valleys of the panel corrugations** in accordance with the detail A herein with corrosion resistant #10 self-drilling HWH screws with self-sealing washers of sufficient length to penetrate through the sheathing a minimum of 3/16". Fastening shall start 3" from panel end and shall be at maximum spacing as described below in **Table A**.

TABLE A		
Maximum Design Pressure		
	Field	Perimeter and Corner¹
Maximum Design Pressures	-105 psf	-187.5 psf
Maximum Row Spacing	24" o.c.	16" o.c.
1. Extrapolation shall not be allowed		



SYSTEM B-1:	5V Metal Panels
Deck Type:	Wood, Non-insulated
Deck Description:	¹⁹ / ₃₂ " or greater plywood or wood plank.
Slope Range:	2": 12" or greater
Maximum Uplift Pressure:	See Table B Below
<hr/>	
Deck Attachment:	In accordance with applicable Building Code, but in no case shall it be less than #8 x 1" wood screws spaced 6" o.c. In reroofing, where the deck is less than ¹⁹ / ₃₂ " thick (Minimum ¹⁵ / ₃₂ "). The above attachment method must be in addition to existing attachment.
Underlayment:	Minimum underlayment shall be an ASTM D 226 Type II installed with a minimum 4" side-laps and 6" end-laps. Underlayment shall be fastened with corrosion resistant tin-caps and 1 ¹ / ₄ " annular ring-shank nails, spaced 6" o.c. at all laps and two staggered rows 12" o.c. in the field of the roll. Or, any Miami-Dade County Product Control Approved underlayment having a current NOA
Valleys:	Valley construction shall be in compliance with Roofing Application Standard RAS 133 and with American Construction Metal's current published installation instructions.
Fire Barrier Board:	Any approved fire barrier having a current NOA. Refer to a current fire directory listing for fire ratings of this roofing system assembly as well as the location of the fire barrier within the assembly. See Limitation # 1.
Metal Panels and Accessories:	Install the "5V" Panel" and accessories in compliance with the current published installation instructions and details in American Construction Metal's Installation Manual. Flashings, penetrations, valley construction and other details shall be constructed in compliance with Roofing Application Standard RAS 133. Fasteners shall be installed in the crowns of the panel corrugations in accordance with the detail B herein with corrosion resistant #10 self-drilling HWH screws with self-sealing washers of sufficient length to penetrate through the sheathing a minimum of ³ / ₁₆ ". Fastening shall start 3" from panel end and shall be at maximum spacing as described below in Table B .

TABLE B		
Maximum Design Pressure		
	Field	Perimeter and Corner¹
Maximum Design Pressures	-90 psf	-232.5 psf
Maximum Row Spacing	12" o.c.	6" o.c.
1. Extrapolation shall not be allowed		



SYSTEM LIMITATIONS

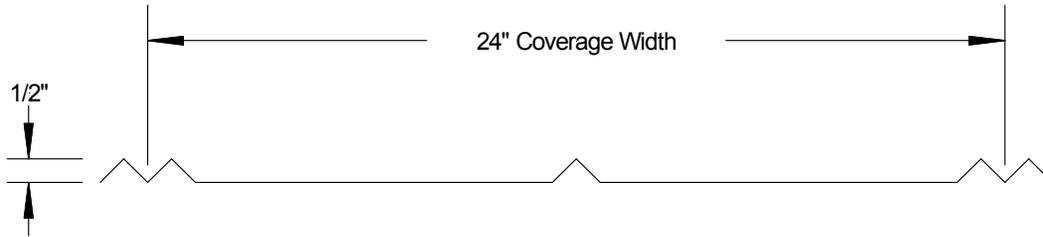
1. Fire classification is not part of this acceptance; refer to a current Approved Roofing Materials Directory for fire ratings of this product.
2. The maximum designed pressure listed herein shall be applicable to all roof pressure zones (i.e. field, perimeters, and corners). Neither rational analysis, nor extrapolation shall be permitted for enhanced fastening at enhanced pressure zones (i.e. perimeters, extended corners and corners).
3. Panels may be rolls formed in continuous lengths from eave to ridge. Maximum lengths shall be as described in Roofing Application Standard RAS 133
4. All panels shall be permanently labeled with the manufacturer's name and/or logo, and the following statement: "Miami-Dade County Product Control Approved" **or** with the Miami-Dade County Product Control Seal as seen below. All clips shall be permanently labeled with the manufacturer's name and/or logo, and/or model.



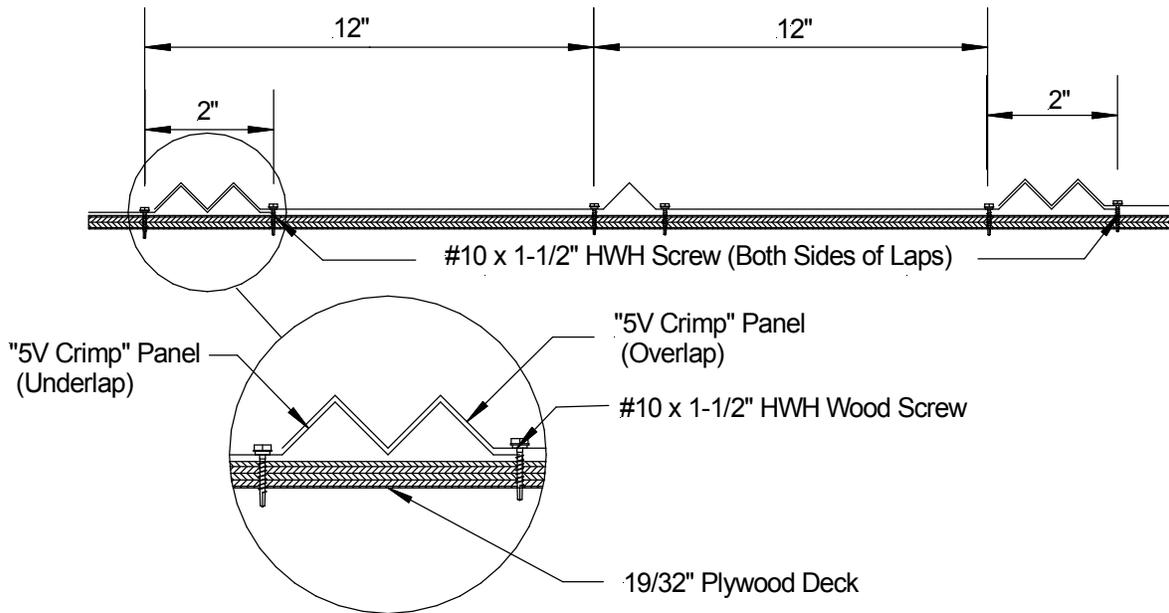
5. All products listed herein shall have a quality assurance audit in accordance with the Florida Building Code and Rule 9N-3 of the Florida Administrative Code.



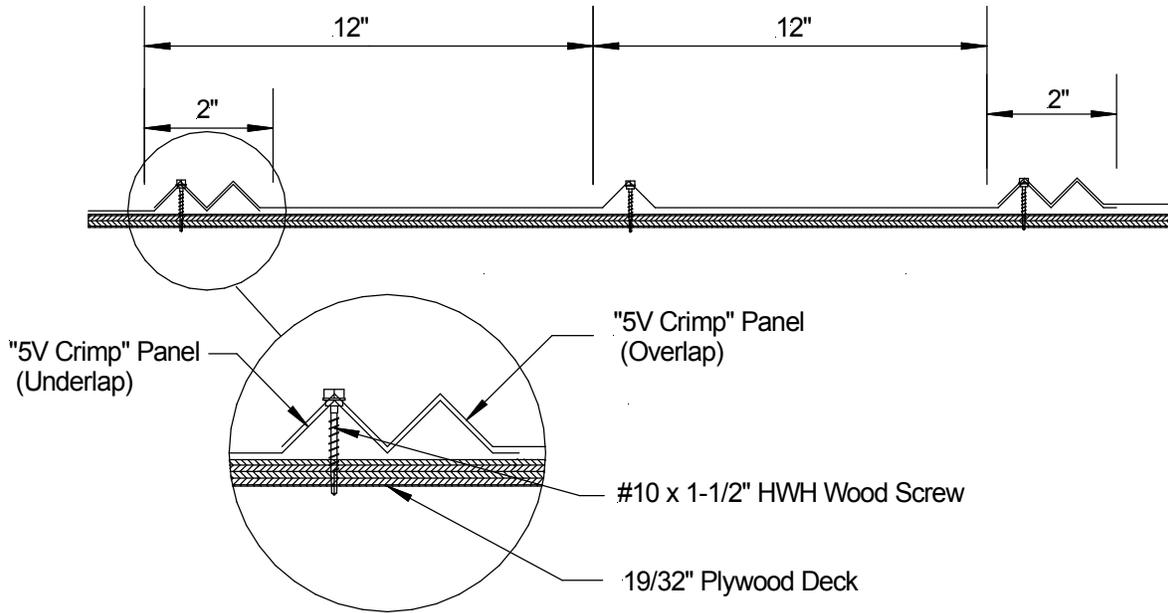
PROFILE DRAWING ACM "5V" PANEL - PROFILE



DETAIL A



**PROFILE DRAWING (CONT.)
DETAIL B**



END OF THIS ACCEPTANCE



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